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STN	**Tmely pre budovy a inžinierske stavby Stanovenie adhéznych a kohéznych vlastností tesniacich tmelov po ich vystavení teplu, vode a umelému osvetleniu cez sklo (ISO 11431: 2025)**	**STN EN ISO 11431** 72 2341

Building and civil engineering sealants - Determination of adhesion and cohesion properties of sealants after exposure to heat, water and artificial light through glass (ISO 11431:2025)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/25

Obsahuje: EN ISO 11431:2025, ISO 11431:2025

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EN ISO 11431

September 2025

ICS 91.100.50 Supersedes EN ISO 11431:2002

English Version

Building and civil engineering sealants - Determination of adhesion and cohesion properties of sealants after exposure to heat, water and artificial light through glass (ISO 11431:2025)

Mastics pour le bâtiment et le génie civil - Détermination des propriétés d'adhésivité et de cohésion des mastics après exposition à la chaleur, à l'eau et à la lumière artificielle à travers le verre (ISO 11431:2025)

Fugendichtstoffe für Hoch- und Tiefbau - Bestimmung des Haft- und Dehnverhaltens von Dichtstoffen nach Einwirkung von Wärme, Wasser und künstlichem Licht durch Glas (ISO 11431:2025)

This European Standard was approved by CEN on 4 September 2025.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Contents

Page

European foreword

This document (EN ISO 11431:2025) has been prepared by Technical Committee ISO/TC 59 "Buildings and civil engineering works" in collaboration with CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2026, and conflicting national standards shall be withdrawn at the latest by March 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 11431:2002.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 11431:2025 has been approved by CEN as EN ISO 11431:2025 without any modification.

International Standard

ISO 11431

Building and civil engineering sealants — Determination of adhesion and cohesion properties of sealants after exposure to heat, water and artificial light through glass

Mastics pour le bâtiment et le génie civil — Détermination des propriétés d'adhésivité et de cohésion des mastics après exposition à la chaleur, à l'eau et à la lumière artificielle à travers le verre

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Contents

Page

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 59, *Buildings and civil engineering works*, Subcommittee SC 8, *Sealants*,in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/BT Technical Board, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 11431:2002), which has been technically revised.

The main changes are as follows:

— the title has been revised from *Building construction — Jointing products — Determination of adhesion/cohesion properties of sealants after exposure to heat, water and artificial light through glass*;

— normative references have been updated;

— a normative reference to ISO 4892-2 has been added in 5.6;

— 5.7 has been revised;

— in 5.8, the subclause of referenced document has been revised and the preferred device for measuring the maximum surface temperature has been added;

— the tolerance for relative humidity has been revised in 7.2 and 8.3.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

International Standard **ISO 11431:2025(en)**

Building and civil engineering sealants — Determination of adhesion and cohesion properties of sealants after exposure to heat, water and artificial light through glass

1 Scope

This document specifies a method for the determination of the adhesion and cohesion properties of sealants after cyclic exposure to heat and artificial light followed by a period of exposure to water at a defined temperature.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4892-1, *Plastics — Methods of exposure to laboratory light sources — Part 1: General guidance and requirements*

ISO 4892-2:2013, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps*

ISO 6927, *Building and civil engineering sealants — Vocabulary*

ISO 13640, *Building and civil engineering sealants — Specifications for test substrates*